

## Title (en)

Stabilized electrophysiology catheter and method for use

## Title (de)

Stabilisierter Katheter und Methode zu seiner elektrophysiologischen Anwendung

## Title (fr)

Cathéter électrophysiologique stabilisé et méthode pour son application

## Publication

**EP 0842673 A1 19980520 (EN)**

## Application

**EP 97308920 A 19971106**

## Priority

- US 3072996 P 19961108
- US 86533197 A 19970529
- US 94940897 A 19971014

## Abstract (en)

A stabilized electrophysiology catheter (4) includes a main body portion (16), a flexible and radially deflectable tip portion (18) actuated by longitudinal movements of a manipulator. A plurality of electrodes (24, 26) are positioned along the tip portion. The tip portion includes a main section (20) and a pre-curved, offset, reverse-angle anchor section (22) at its distal end. The anchor section is shaped to engage with and anchor to a coronary opening, typically the coronary sinus opening (48) in the right atrium or a pulmonary vein opening (82) in the left atrium, for stabilized mapping and ablation of the right atrium or the left atrium. A manipulator wire (36) is used to radially deflect the tip portion in a first direction (40). When introduced through the superior vena cava (46), the tip portion forms a generally J-shape. When introduced through the inferior vena cava (54), the tip portion is deflected more than 360 DEG . <IMAGE>

## IPC 1-7

**A61M 25/01**; **A61M 25/00**

## IPC 8 full level

**A61M 25/00** (2006.01); **A61M 25/01** (2006.01)

## CPC (source: EP US)

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## Citation (applicant)

- US 5540681 A 19960730 - STRUL BRUNO [US], et al
- US 5445148 A 19950829 - JARACZEWSKI RICHARD [US], et al
- US 5545200 A 19960813 - WEST SCOTT H [US], et al
- US 5487757 A 19960130 - TRUCKAI CSABA [US], et al
- WO 9705822 A2 19970220 - MEDTRONIC CARDIORHYTHM [US]

## Citation (search report)

- [AD] US 5545200 A 19960813 - WEST SCOTT H [US], et al
- [A] EP 0616794 A1 19940928 - HEART RHYTHM TECH INC [US]
- [AD] US 5445148 A 19950829 - JARACZEWSKI RICHARD [US], et al
- [A] US 5304131 A 19940419 - PASKAR LARRY D [US]

## Cited by

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## DOCDB simple family (application)

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